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Joe McInnes  
TRANSPORTATION DIRECTOR

May 25, 2010

Mr. Joe Ruffer, P.E.  
Mobile County Engineer  
Public Works, Engineering Department  
Mobile Government Plaza  
205 Government Street  
Mobile, Alabama 36644

**Subject: Annual Inspection Report**  
**Dauphin Island Airport**

Dear Mr. Ruffer:

An inspection of the Dauphin Island Airport was conducted by personnel of the Alabama Department of Transportation Aeronautics Bureau on May 18, 2010. The purpose of the inspection was to update the information currently on file regarding the airport and to ascertain compliance with the rules and regulations of the Alabama Department of Transportation governing licensed public-use airports within the State of Alabama.

Attached you will find a copy of the Annual Inspection Report for the Dauphin Island Airport. As noted in the report, the airport meets the requirements for the issuance of an operating license.

If you should have any questions concerning the inspection or corrective actions, please do not hesitate to contact the Aeronautics Bureau at (334) 242-6820.

Sincerely,

John C. Eagerton IV, D.P.A.  
Chief, Aeronautics Bureau

Copy: Mr. Rans Black, FAA/ADO  
Mr. Mike Helmsing, P.E., Volkert and Associates, Inc.

**ANNUAL INSPECTION REPORT  
DAUPHIN ISLAND AIRPORT  
DAUPHIN ISLAND, ALABAMA**

May 18, 2010

**TABLE OF CONTENTS**

<b>INTRODUCTION.....</b>	<b>PAGE 1</b>
<b>INSPECTION METHODOLOGY.....</b>	<b>PAGE 1</b>
<b>LICENSE STATUS.....</b>	<b>PAGE 2</b>
<b>APPROACH / DEPARTURE PATHS.....</b>	<b>PAGE 2</b>
<b>PRIMARY SURFACE.....</b>	<b>PAGE 4</b>
<b>RUNWAY SAFETY AREA.....</b>	<b>PAGE 4</b>
<b>AIRPORT MARKINGS.....</b>	<b>PAGE 5</b>
<b>WIND DIRECTION INDICATOR.....</b>	<b>PAGE 5</b>
<b>AIRPORT LIGHTING.....</b>	<b>PAGE 6</b>
<b>RUNWAY, TAXIWAY AND APRON CONDITIONS.....</b>	<b>PAGE 6</b>
<b>FUELING AREA REQUIREMENTS.....</b>	<b>PAGE 7</b>
<b>PROHIBITED ACTIVITIES.....</b>	<b>PAGE 7</b>
<b>SUMMARY.....</b>	<b>PAGE 8</b>
<b>APPENDIX 1.....</b>	<b>PAGE 9</b>

# ANNUAL INSPECTION REPORT

May 18, 2010



DAUPHIN ISLAND AIRPORT  
DAUPHIN ISLAND, ALABAMA

# Annual Inspection Report Dauphin Island Airport Dauphin Island, Alabama

May 18, 2010

## **Introduction**

**Code of Alabama 23-1-357(c).** The department may perform such acts, issue and amend such orders and make, promulgate, or amend general or special rules, regulations, and procedures and establish minimum standards, consistent with the provisions of this article as it shall deem necessary to carry out the provisions of this article and to perform its duties hereunder, all commensurate with and for the purpose of protecting and insuring the general public interest, health, welfare, and safety. (Act 2000-220, 10.)

In accordance with the provisions of the Code of Alabama 23-1-357(c) an inspection of the Dauphin Island Airport was conducted by Mr. Robert K. Heartsill of the Alabama Department of Transportation Aeronautics Bureau on May 18, 2010.

The corrective actions that may be prescribed in this inspection report do not relieve the airport owner from compliance with any other Federal, State or local laws, ordinances or regulations that may be applicable. It is the responsibility of the airport owner to be aware of and obey all Federal, State or local laws, ordinances or regulations that may have a bearing on the corrective actions that may be specified in this report.

## **Inspection Methodology**

The inspection of the required State Approach/Departure Path and Federal Runway Protection Zones was accomplished by the use of approved engineering methods and equipment. The angles, locations and heights of trees or other objects within these areas were derived by the use of a Theodolite and electronic distance measuring device.

All other areas of the inspection were conducted visually and photographed for reference purposes.

The FAA Airport Design Standards referred to in this report were taken from the Airport Layout Plan (ALP) dated May 13, 2003.

# Annual Inspection Report Dauphin Island Airport Dauphin Island, Alabama

May 18, 2010

## License Status

**Code of Alabama 23-1-375(a).** ...a person or municipality may not operate an airport, restricted landing area, or other air navigation facility without a license issued by the department.

Based upon the findings of the inspection conducted on May 18, 2010 it was determined that the airport **meets** the requirements for the issuance of an operating license.

The inspection was conducted on the airport under the provisions of the Administrative Code for the following areas:

### **1. Approach and Departure Paths** **Administrative Code 450-9-1-.12(1)** (See Appendix 1)

## State Licensing Standards

- For all hard surface runways the approach and departure path begins 200 feet from the runway end (runway threshold).
- For all hard surface runways with a displaced threshold, the approach and departure path begins at the point of displacement (See Appendix 2).
- The approach and departure path for all runways slopes up at a ratio of 20:1.
- All penetrations of the approach and departure paths, whether natural or manmade, constitute an obstruction to navigation and must be removed.
- The land beneath the approach and departure path must be controlled by the airport owner. This is accomplished by ownership of the property in fee simple or by written perpetual agreement with the owner of the land.

## Inspection Results

- Runway 12: No obstructions.
- Runway 30: No obstructions due to the displaced threshold of 140 feet.



**Annual Inspection Report  
Dauphin Island Airport  
Dauphin Island, Alabama**

May 18, 2010

Photo 1



Runway 12 Approach/Departure Path

Photo 2



Runway 30 Approach/Departure Path

# Annual Inspection Report Dauphin Island Airport Dauphin Island, Alabama

May 18, 2010

## 2. Primary Surface Administrative Code 450-9-1-.12(2)

### State Licensing Standards

- Primary Surface (See Appendix 1): The primary surface is 250 feet wide, centered on the runway centerline and extends 200 feet past the end of the marked runway. The primary surface is required to be free of all obstructions, manmade or natural. The only allowable objects are runway lights, guidance signs, or navigation equipment that by function is required to be within the primary surface boundaries.

### Inspection Results

- The primary surface was inspected and found to be in compliance with state licensing requirements.

## 3. Runway Safety Area Administrative Code 450-9-1-.12(3)

### State Licensing Standards

- Runway Safety Area (Appendix 1): All runways are required to maintain an obstruction free area adjacent to each runway. This area is 120 feet wide, centered on the runway centerline, and extends for a distance of 200 feet past the runway end. The area must be compacted and graded smooth with no ruts, humps, depressions or other potentially hazardous surface variations. The slope along the longitudinal centerline shall not exceed a rise or fall of three percent in elevation relative to the runway end elevation. The lip from the top of the pavement to the grade adjacent to the runway should not exceed 3 inches.

### Inspection Results

- The runway safety areas were found to meet state licensing requirements due to the displacements of both runway ends.

# Annual Inspection Report Dauphin Island Airport Dauphin Island, Alabama

May 18, 2010

## 4. Airport Markings Administrative Code 450-9-1-.12(4)

### State Licensing Standards

- Airport Markings: All runways are required to be marked in a manner identifying the boundaries of the landing areas. The runway markings must be painted white and be maintained in a legible condition.

### Inspection Results

- The airport markings and signs are in GOOD condition.

## 5. Wind Direction Indicator Administrative Code 450-9-1-.12(5)

### State Licensing Standards

- Wind Direction Indicators: All airports are required to have an operational wind direction indicator. It must be installed in a highly visible area and free from obstructions to ensure true wind direction and velocity. Night operations require the indicator be lighted.

### Inspection Results

- The wind direction indicator (windsock) was inspected and found to be lit and operational.

Photo 3



Windsock assembly



# **Annual Inspection Report Dauphin Island Airport Dauphin Island, Alabama**

May 18, 2010

## **6. Airport Lighting Administrative Code 450-9-1-.12(6)**

### **State Licensing Standards**

- Airport Lighting: Runway lights and a lighted wind direction indicator are required for night operations. A rotating beacon is suggested. All runway, threshold, and taxiway lighting shall be maintained in operational condition and shall not be obscured by natural growth such as grass and/or weeds.

### **Inspection Results**

- All runway, taxiway, and windsock lights as well as the rotating beacon were found to be operational.

## **7. Runway, Taxiway and Apron Conditions Administrative Code 450-9-1-.12(7)**

### **State Licensing Standards**

- Runway, Taxiway and Apron Conditions: All airport pavement surfaces associated with aircraft operations must be kept smooth and free of any defect or obstruction that could damage an aircraft. The lip of the airport pavement surfaces must not exceed three (3) inches in elevation from the top of the pavement to the shoulder. The drop should only be enough to allow sufficient drainage and not pose a control problem for aircraft exiting the runway. The aircraft parking apron is for the operation and parking of aircraft only and should be smooth and free of obstructions or defects that could cause damage to aircraft during operations.

### **Inspection Results**

- The airport pavement surfaces were inspected and found to be in GOOD condition. The paved surfaces have recently been overlaid.

**Annual Inspection Report  
Dauphin Island Airport  
Dauphin Island, Alabama**

May 18, 2010

**8. Fueling Area Requirements  
Administrative Code 450-9-1-.12(8)**

**State Licensing Standards**

- Signs should be posted prohibiting open flames or smoking in fueling areas. The fueling facility must be labeled indicating the type fuel being dispensed.
- Grounding cables must be available.
- A fire extinguisher approved for the purpose of extinguishing petroleum product fires available during all fueling operations.
- Serviceable hoses and connections that would preclude a rupture or leaking of fuel.

**Inspection Results**

- There is no fueling area at this airport.

**9. Prohibited Activities  
Administrative Code 450-9-1-.16**

**State Licensing Standards**

- Prohibited Activities: The use of any portion of the aircraft operations area, or airport property within the boundaries of the imaginary surfaces of a licensed airport for any purpose other than the operation of aircraft shall be deemed a non-aeronautical activity and is prohibited.

**Inspection Results**

- There were no prohibited activities observed during the inspection.

**Annual Inspection Report  
Dauphin Island Airport  
Dauphin Island, Alabama**

May 18, 2010

**Summary**

The table below summarizes items noted in this report.

**INSPECTION SUMMARY**

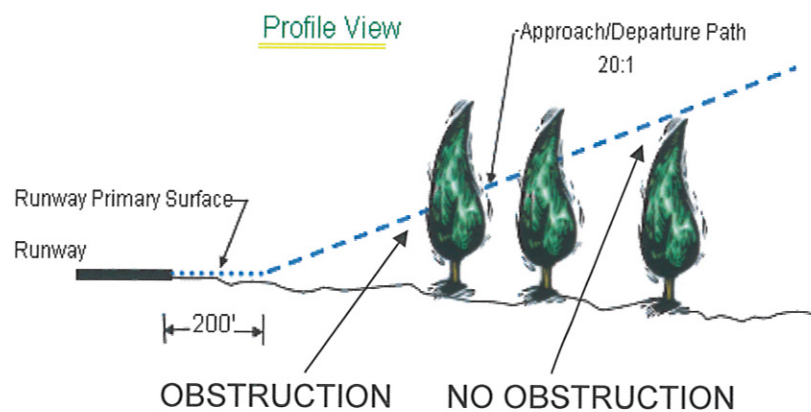
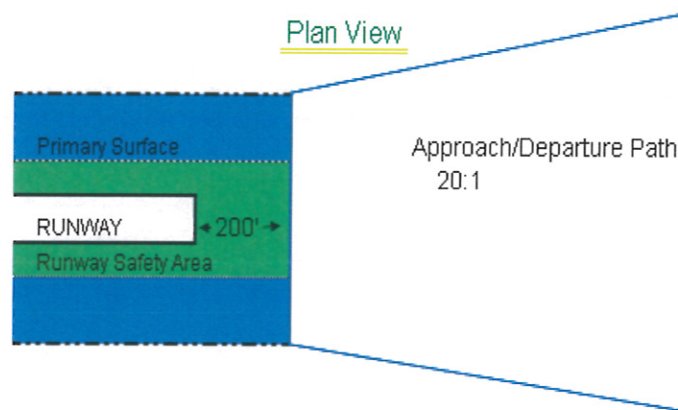
Inspection Area	Violation/Maintenance	Corrective Action
AIRPORT	NONE	

Please contact the Aeronautics Bureau of the Alabama Department of Transportation at (334) 242-6820 with questions concerning the Annual Inspection Report.

# Annual Inspection Report Dauphin Island Airport Dauphin Island, Alabama

May 18, 2010

Approach and Departure Path Dimensions			
Inner Width	Outer Width	Length	Acreage
250 Feet	450 Feet	1,000 Feet	8.04 Acres
Primary Surface Dimensions			
250 Feet Wide Centered Along Runway Centerline			
Extending 200 Feet Past the Runway End			
Runway Safety Area Dimensions			
120 Feet Wide Centered Along Runway Centerline			
Extending 200 Feet Past the Runway End			



APPENDIX 1